INVENTORS: Ramkrishna Prakash, et al.

SERIAL NO.: 10/039,125

1/7

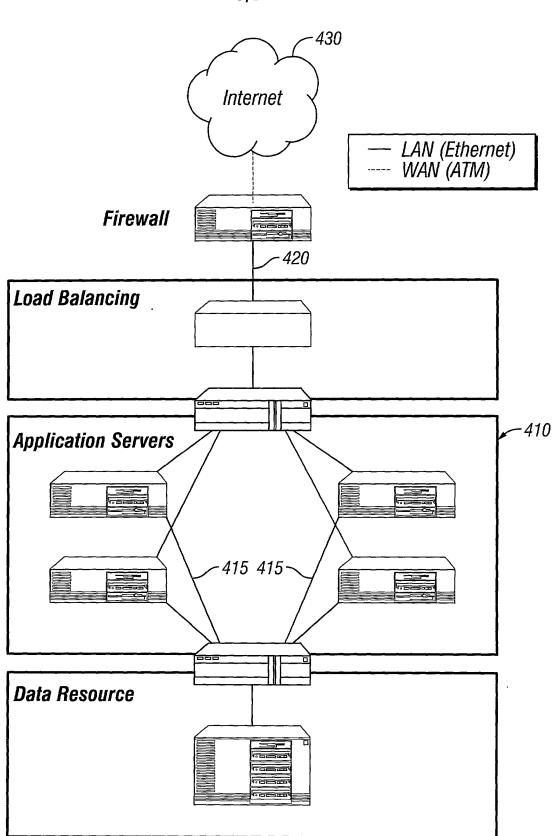


FIG. 1

**2/7** 

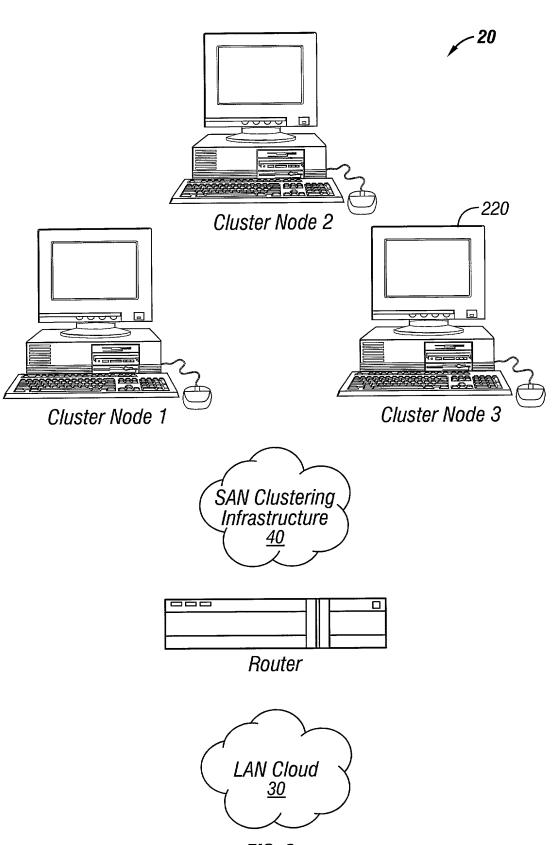
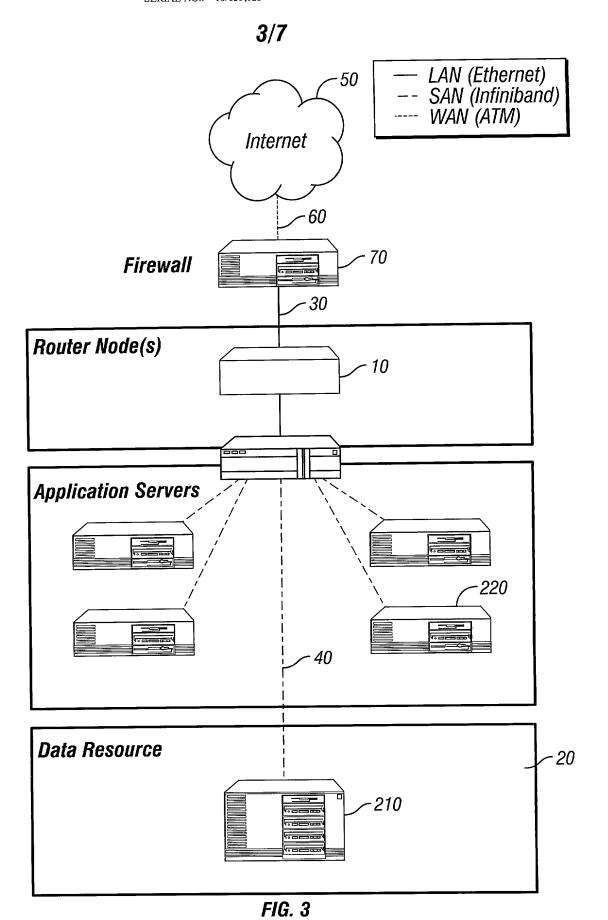


FIG. 2

ARCHITECTURAL BASIS FOR THE BRIDGING OF SAN AND LAN INFRASTRUCTURES TITLE:

INVENTORS: Ramkrishna Prakash, et al.

SERIAL NO.: 10/039,125



TITLE: ARCHITECTURAL BASIS FOR THE BRIDGING OF SAN AND

LAN INFRASTRUCTURES INVENTORS: Ramkrishna Prakash, et al.

SERIAL NO.: 10/039,125

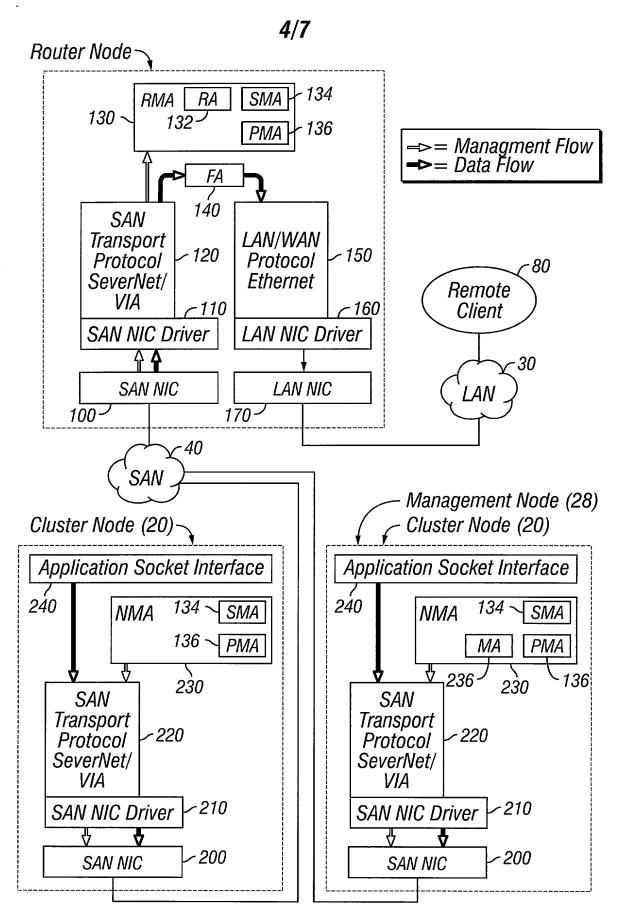


FIG. 4

TITLE: ARCHITECTURAL BASIS FOR THE BRIDGING OF SAN ÂND LAN INFRASTRUCTURES
INVENTORS: Ramkrishna Prakash, et al.
SERIAL NO.: 10/039,125

**5/7** 

## Policy Table

| Services | Eligibility                  | SAN Address  | Weight         |
|----------|------------------------------|--------------|----------------|
| http     | No Authorization<br>Required | Clust Node 1 | Allocate Twice |
| ftp      | No Authorization<br>Required | Clust Node 2 | Allocate Once  |
| SAP      | Authorization<br>Required    | Clust Node 1 | Allocate Once  |

*FIG.* 5

## Session Table

| SRC MAC   | SRC IP    | SRC TCP   | DEST SAN     | Session |
|-----------|-----------|-----------|--------------|---------|
| Add       | Add       | Sock #    | Add          | Handle  |
| Rem CInt1 | Rem CInt1 | Rem CInt1 | Clust Node 1 | Session |
| MAC       | IP        | Sock #    |              | Handle1 |
| Rem CInt2 | Rem CInt1 | Rem CInt1 | Clust Node 2 | Session |
| MAC       | IP        | Sock #    |              | Handle2 |
| Rem CInt2 | Rem CInt1 | Rem CInt1 | Clust Node 3 | Session |
| MAC       | IP        | Sock #    |              | Handle3 |

FIG. 6

ARCHITECTURAL BASIS FOR THE BRIDGING OF SAN ÂND LAN INFRASTRUCTURES

INVENTORS: Ramkrishna Prakash, et al.

SERIAL NO.: 10/039,125

*6*/7

Broadcast from the Cluster Nodes:

| 0                                | 1                       | 2                      | 3 |  |  |
|----------------------------------|-------------------------|------------------------|---|--|--|
|                                  | Source IP Address       |                        |   |  |  |
|                                  | Destination IP Address  |                        |   |  |  |
| Priority                         |                         | Cluster ID             |   |  |  |
| Packet Typ                       | ре                      | Function               |   |  |  |
|                                  | Router IP Address (N/A) |                        |   |  |  |
| Management Node IP Address (N/A) |                         |                        |   |  |  |
| Source Port (N/A)                |                         | Destination Port (N/A) |   |  |  |

FIG. 7

Reply from the Router Node:

| U       | · · · · · · · · · · · · · · · · · · · |                | ა         |  |
|---------|---------------------------------------|----------------|-----------|--|
|         | Source IP Address                     |                |           |  |
|         | Destination IP Address                |                |           |  |
| Priorit | ty (N/A)                              | Cluster I      | 'D        |  |
| Packe   | et Type                               | Function       |           |  |
|         | Router IP Address                     |                |           |  |
| IM      | Management Node IP Address (N/A)      |                |           |  |
| Source  | Port (N/A)                            | Destination Po | ort (N/A) |  |
|         |                                       |                |           |  |

FIG. 8

ARCHITECTURAL BASIS FOR THE BRIDGING OF SAN AND LAN INFRASTRUCTURES

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Sent from the Router Node to the Cluster Nodes:

| 0        | 1                          | 2             | 3          |  |  |
|----------|----------------------------|---------------|------------|--|--|
|          | Source IP Address          |               |            |  |  |
|          | Destination IP Address     |               |            |  |  |
| Priority | / (N/A)                    | Cluste        | r ID       |  |  |
| Packe    | t Type                     | Function      |            |  |  |
|          | Router IP Address          |               |            |  |  |
|          | Management Node IP Address |               |            |  |  |
| Source P | ort (N/A)                  | Destination I | Port (N/A) |  |  |

FIG. 9